ECO Compact distribution board, surface mounted, 1-rows, 12~MU, IP40



Part no. BC-0-1/12-EC0 280347

General specifications	
Product name	Eaton xComfort ECO LV systems Final Distribution Boards
Part no.	BC-0-1/12-EC0
EAN	4015082803476
Product Length/Depth	98 millimetre
Product height	212 millimetre
Product width	303 millimetre
Product weight	0.91 kilogram
Compliances	RoHS conform
Certifications	EN 62208
Product Tradename	xComfort ECO
Product Type	LV systems
Product Sub Type	Final Distribution Boards
Delivery program	
Туре	Basic device ECO distribution board Installation distribution board
Application	Indoor (installation site)
Color	Signal white (RAL 9003) White
Technical Data - Electrical	
Frequency rating of contacts	50 Hz
Technical Data - Mechanical	
Closure type	Other
Enclosure material	Plastic
Width in number of modular spacings	12
Mounting method	DIN-rail Surface mounting Surface mounted (plaster)
Material	ABS (plastic)
Degree of protection	IP40 IK05 (impact resistance)
Number of module space units per row	12
Number of rows	1
Terminal type	Screw terminals
PE and N terminal number and cross section	PE: 12 x 10 mm ² N: 12 x 10mm ²
Built-in depth	70 mm
Built-in height	0 mm
Built-in width	0 mm
Internal depth	90 mm
Cover/door color	Transparent
Cover/door model	Closed
Cover/door type	Door Single
Module rack type	Single-rail
Protective shrouding material	Plastic
Temperature-rise verification as per IEC 60890	
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)	13 W
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890) Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)	13 W 26 W
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)	

Design verification as per IEC/EN 61439	
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	850 °C; meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Not relevant to indoor installations.
10.2.5 Lifting	Does not apply to enclosures without lifting aids.
10.2.6 Mechanical impact	IK05
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	IP40
10.4 Clearances and creepage distances	Is the panel builder's responsibility.
10.5 Protection against electric shock	Protection class 2, therefore not applicable.
10.6 Incorporation of switching devices and components	Is the panel builder's responsibility.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Ui = 400 V AC
10.9.3 Impulse withstand voltage	3.75 kV
10.9.4 Testing of enclosures made of insulating material	Meets the product standard's requirements.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility.
10.13 Mechanical function	Meets the product standard's requirements.
Additional information	
Fitted with:	Basic device Neutral-/protective conductor terminal Device support rails
Functions	Basic device
Protection class	II (totally insulated)
RAL-number	9003
Special features	IP40 Protection Class II Plastic housing white (RAL 9003)
Used with	Basic device ECO distribution board Installation distribution board

Technical data ETIM 8.0

Distribution boards (EG000023) / Small distribution board (EC000214)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (ecl@ss10.0.1-27-14-24-09 [ACN387011])

Number of rows I 1 Width in number of modular spacings 12 12 Type of cover Door 10 Cover model IClosed 10 Transparent cover/door Yes 12 Material housing IM 12 Height IM 212 Width IM 303 Depth IM 98 Built-in depth IM 70 Built-in height IM 0 Built-in width IM 0 Internal depth IM 90 Earthing terminal block IM NO Neutral terminal block IM NO DIV-rail Yes Yes	(CCI @ 3310.0.1 27 14 24 00 [A010007011])		
Width in number of modular spacings 12 Type of cover Door Cover model Closed Transparent cover/door Yes Material housing Image: Material housing Height mm 212 Width mm 303 Depth mm 98 Built-in depth mm 70 Built-in height mm 0 Built-in width mm 0 Internal depth mm 0 Earthing terminal block No No Neutral terminal block No Yes	Mounting method		Surface mounted (plaster)
Type of cover Door Cover model Closed Transparent cover/door Yes Material housing Plastic Height mm 212 Width mm 303 Depth mm 98 Built-in depth mm 70 Built-in width mm 0 Internal depth mm 9 Internal depth mm 90 Earthing terminal block No No Neutral terminal block No Yes	Number of rows		1
Cover modelClosedTransparent cover/doorYesMaterial housingPlasticHeightmm212Widthmm303Depthmm88Built-in depthmm70Built-in heightmm0Built-in widthmm0Internal depthmm9Earthing terminal blockmm90Neutral terminal blockNoNoDistrict terminal blockNoNoDistrict terminal blockYesYes	Width in number of modular spacings		12
Transparent cover/door Material housing Height Model M	Type of cover		Door
Material housing Height Height Moth Moth Depth Built-in depth Built-in width Internal depth Earthing terminal block Neutral terminal block DIN-rail Material housing Plastic mm J212 303 303 303 304 305 307 307 308 309 309 309 309 309 309 309	Cover model		Closed
Height Width Month Depth Month Built-in depth Built-in width Internal depth Earthing terminal block Neutral terminal block DIN-rail Height Month Mont	Transparent cover/door		Yes
Widthmm303Depthmm98Built-in depthmm70Built-in heightmm0Built-in widthmm0Internal depthmm0Earthing terminal blockmm90Neutral terminal blockImmNoNeutral terminal blockImmNoDIN-railyes	Material housing		Plastic
Depthmm98Built-in depthmm70Built-in heightmm0Built-in widthmm0Internal depthmm90Earthing terminal blockmm90Neutral terminal blockNoNoDIN-railNoYes	Height	mm	212
Built-in depth Built-in height Built-in height Built-in width Built-in height Built-in he	Width	mm	303
Built-in heightmm0Built-in widthmm0Internal depthmm90Earthing terminal blockNoNoNeutral terminal blockNoNoDIN-railYes	Depth	mm	98
Built-in width mm 0 Internal depth mm 90 Earthing terminal block Neutral terminal block DIN-rail vertical terminal block to the state of the state o	Built-in depth	mm	70
Internal depth mm 90 Earthing terminal block Neutral terminal block DIN-rail mm 90 No	Built-in height	mm	0
Earthing terminal block Neutral terminal block DIN-rail No Yes	Built-in width	mm	0
Neutral terminal block DIN-rail Ves	Internal depth	mm	90
DIN-rail Yes	Earthing terminal block		No
	Neutral terminal block		No
With mounting plate No	DIN-rail		Yes
	With mounting plate		No

Extension possible	No
EMC-version	No
Colour	White
RAL-number	9003
Degree of protection (IP)	IP40
With lock	No
Type of closure	Other
Signal passing door	No